Table 1, Summary of Air Pollutant Standards and Terms

Tampa Electric Company
Polk Power Station

Final Permit No. 1050233-028-AV
Facility ID No. 1050233

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	**Brief Description**
[-001]	260 MW Combined Cycle Combustion Turbine No. 1

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	lbs./hour	TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See permit condition(s)
2 YEAR DEMONSTRATION PERIOD (This period has passed and is kept for reference only.)									
NO_X	Oil	10% Capacity	42 to 48 ppmvd	311	N/A			PSD-FL-194	
NO_X	Syngas	8,760		664.2	2,908.3			PSD-FL-194	
VOC	Oil	10% Capacity		32	N/A			PSD-FL-194	
VOC	Syngas	8,760		3	38.5			PSD-FL-194	
CO	Oil	10% Capacity		99	N/A			PSD-FL-194	
CO	Syngas	8,760		98	430.1			PSD-FL-194	
PM / PM_{10}	Oil	10% Capacity		17	N/A			PSD-FL-194	
PM / PM_{10}	Syngas	8,760		17	74.5			PSD-FL-194	
Pb	Oil	10% Capacity		0.101	N/A			PSD-FL-194	
Pb	Syngas	8,760		0.023	0.13			PSD-FL-194	
SO_2	Oil	10% Capacity		92.2	N/A			PSD-FL-194	
SO_2	Syngas	8,760		518	2269			PSD-FL-194	
Sulfuric Acid Mist	Syngas	8,760		55	241			PSD-FL-194	
Inorganic Arsenic	Syngas	8,760		0.08	0.35			PSD-FL-194	
Beryllium	Syngas	8,760		0.0001	0.0029			PSD-FL-194	
Mercury	Syngas	8,760		0.025	0.11			PSD-FL-194	
POST DEMONSTRATION PERIOD									
NO_X	Oil	10% Capacity	42 to 48 ppmvd	311	N/A			PSD-FL-194J	**III.A.4.**
NO_X	Gas	10% Capacity	25 ppmvd	185.0	N/A			PSD-FL-194J	
NO_X	Syngas/Gas Augmentation	8,760	15 ppmvd	132	620			PSD-FL-194J	**III.A.5.**
VOC	Oil	10% Capacity	0.028 lb/MMBtu	32	N/A	**Obsolete**		PSD-FL-194J	
VOC	Syngas/Gas/Gas Augmentation	8,760	0.0017 lb/MMBtu	3				PSD-FL-194J	**III.A.4.**
CO	Oil	10% Capacity	40 ppmvd	99	N/A			PSD-FL-194J	**III.A.4.**
CO	Syngas/Gas/Gas Augmentation	8,760	25 ppmvd	98	430.1			PSD-FL-194J	**III.A.4.**
PM/PM_{10}	Oil	10% Capacity	0.009 lb/MMBtu	17	N/A			PSD-FL-194J	**III.A.4.**
PM/PM_{10}	Syngas/Gas/Gas Augmentation	8,760	0.013 lb/MMBtu	17	74.5			PSD-FL-194J	**III.A.4.**
Pb	Oil	10% Capacity	5.30E-5 lb/MMBtu	0.101	N/A	**Obsolete**		PSD-FL-194J	
Pb	Syngas	8,760	2.41E-6 lb / MMBtu	0.0035	0.067	**Obsolete**		PSD-FL-194J	
SO_2	Oil	10% Capacity	0.048 lb/MMBtu	92.2	N/A			PSD-FL-194J	**III.A.4.**
SO_2	Oil	10% Capacity	0.05% sulfur by weight					PSD-FL-194J	**III.A.5.**
SO_2	Syngas/Gas/Gas Augmentation	8,760	0.17 lb/MMBtu	357	1,563.7			PSD-FL-194J	**III.A.5.**
Sulfuric Acid Mist	Syngas	8,760		55	241			PSD-FL-194J	**III.A.5.**
Inorganic Arsenic	Syngas	8,760		0.0006	0.019	**Obsolete**		PSD-FL-194J	
Beryllium	Syngas	8,760		0.0001	0.0029	**Obsolete**		PSD-FL-194J	
Mercury	Syngas	8,760		0.0034	0.017	**Obsolete**		PSD-FL-194J	
VE	Oil	10% Capacity	20 % opacity					PSD-FL-194J	**III.A.6.**
VE	Syngas/Gas/Gas Augmentation	8,760	10% opacity					PSD-FL-194J	**III.A.6.**

Notes:
* The "Equivalent Emissions" listed are for informational purposes only.

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Polk Power Station

Final Permit No. 1050233-028-AV
Facility ID No. 1050233

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E.U. ID No.	**Brief Description**
[-003]	120 Million Btu per Hour Auxiliary Boiler

Pollutant Name			Allowable Emissions			Equivalent Emissions*			
or Parameter	Fuel(s)	Hours/Year	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Regulatory Citation(s)	See permit condition(s)
VE	Oil	8,760	20% except 27% one six-min. / hr					40CFR60.43b(f) & PSD-FL-194J	**III.B.5.**
PM	Oil	8,760	0.10 lb / MMBtu			12.0	21.3**	40CFR60.43b(b)	**III.B.6.**
SO_2	Oil	8,760	0.80 lb / MMBtu **(no longer applies)**			Obsolete		Per §40 CFR 60.41b	
SO_2	Oil	8,760	0.05% sulfur by weight			6.8	12.1	PSD-FL-194J	**III.B.7.**
NO_X	Oil/Gas	8,760	0.10 lb / MMBtu			12.0	21.3**	40CFR60.44b(a) & PSD-FL-194J	**III.B.8.**

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** Based on 3,000 hrs. at capacity and 5,760 hrs. at less than capacity (capacity is defined as 90-100% of maximum operation rate)

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E.U. ID No. **Brief Description**

[-004] Sulfuric Acid Plant

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	lbs./hour	TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See permit condition(s)
VE	Propane/Gas	8,760	10% opacity					Rule 62-296.402(2)(a), F.A.C	**III.C.5.**
SO_2	Propane/Gas	8,760	4 lb / ton 100% acid			49.8	218.3	Rule 62-296.402(2)(b), F.A.C	**III.C.6.**
SAM	Propane/Gas	8,760	0.15 lb / ton 100% acid			1.87	8.2	Rule 62-296.402(2)(c), F.A.C	**III.C.7.**

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E.U. ID No.	**Brief Description**
[-005]	Solid Fuel Handling System

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	lbs./hour	TPY	Equivalent Emissions* lbs./hour	TPY	Regulatory Citation(s)	See permit condition(s)
VE		8,760	5% opacity					PSD-FL-194J	**III.D.3.**

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E.U. ID No.	**Brief Description**
[-009]	165 MW Simple Cycle Combustion Turbine No. 2
[-010]	165 MW Simple Cycle Combustion Turbine No. 3

The following apply to each individual emissions unit listed above.

Pollutant Name			Allowable Emissions			Equivalent Emissions*			
or Parameter	Fuel(s)	Hours/Year	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Regulatory Citation(s)	See permit condition(s)
NO_X	Nat. Gas	4,380	10.5 ppmvd 24-hr avg	59			129.2	PSD-FL-263	**III.F.6.**
NO_X	Oil	750	42 ppmvd 3-hr avg.	319			119.6	PSD-FL-263	**III.F.7.**
SO_2	Nat. Gas	4,380	2 gr/100 scf	9.2			20.1	PSD-FL-263	**III.F.8.**
SO_2	Oil	750	0.05% sulfur by weight	98.1			36.8	PSD-FL-263	**III.F.8.**
VE	All	4,380	10% opacity					PSD-FL-263	**III.F.9.**
VOC	Nat. Gas	4,380	1.4 ppmvw	2.8			6.1	PSD-FL-263	**III.F.10.**
VOC	Oil	750	3.5 ppmvw	7			2.6	PSD-FL-263	**III.F.10.**
CO	Nat. Gas	4,380	12 ppmvd	38			83.2	PSD-FL-263	**III.F.11.**
CO	Oil	750	20 ppmvd	65			24.4	PSD-FL-263	**III.F.11.**

Notes:
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E.U. ID No.	**Brief Description**
[-013]	165 MW Simple Cycle Combustion Turbine No. 4
[-014]	165 MW Simple Cycle Combustion Turbine No. 5

Unless otherwise indicated, the following apply to each individual emissions unit listed above.

Pollutant Name			Allowable Emissions			Equivalent Emissions*			
or Parameter	Fuel(s)	Hours/Year	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Regulatory Citations	See permit condition(s)
-011 & -012 CO combined	Natural Gas	4,380			99.0	45.2		PSD-FL-363	**III.G.10.**
NO_X	Natural Gas	4,380	9.0 ppmvd @ 15% O_2 24-hr block			60.9	133.4	PSD-FL-363	**III.G.10.**
PM/PM_{10}	Natural Gas	4,380	2 grains S/100 SCF gas			18.0	39.4	PSD-FL-363	**III.G.10.**
VE	Natural Gas	4,380	10% opacity, except 20% for up to 10-6-min. avgs./day					PSD-FL-363	**III.G.11.**
SO_2	Natural Gas	4,380	2 grains S/100 SCF gas			10.2	22.3	PSD-FL-363	**III.G.10.**

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E.U. ID No.	**Brief Description**
[-006]	Solid Fuel Gasification System

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	lbs./hour	TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See permit condition(s)
		8,760	2.325 tons / day coal **(no longer a limit)**					PSD-FL-194J	**III.E.2.**
VE (flare)			<20%					Rule 62-296.320(4)(b)1., F.A.C	**III.E.4.**
SO_2			4.7% sulfur by weight			NA	NA	PSD-FL-194J	**III.E.5.**

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